

YNK-DBR No. 20
09.05.17

AEE, YSTSD
SBR No: 14/17-18
Date: 28-4-2017
Reference paras 158 & 170

W.G. 17
NO. 1st and final Bill
Division Yelahanka
Bills received No

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

Sheduled Docket No
Name of work(as per sanctioned estimate) :-

Sub division Yelahanka New Town Date
Sub-divisional Cash book vr No Date
Divisional
Head of account P.3089

Work Code: 004-17-000010

NAME OF WORK : Asphalting to roads and improvements to drains in B sector of ward no 04

Name of contractor and full address :-

Reference to agreement No :- 149

Technical Manager (west)

Estimated cost : 30.00 Work order No : 149 dt:31/03/17

Certified that the measurments were taken by me on 28/04/17 and recorded on pages 4634 & 710
of measurement book No 4635 and the work is satisfactorily executed by the contractor.

Signature of contractor
Executive Engineer

Ramachandrasekhara A
Asst. Engineer

Certified that the measurments were taken by me on 28/4/17 and recorded correct. The work is satisfactorily executed.
Certified that the quantities of materials shown in column 3 of account II have been actually brought to site of work and the contractor has not previously received advance on this security. These materials are of any imperishable nature and are all required by the contractor for immediate use on the work in connection with items for which rates finished work have been agreed upon. A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer
28.04.2017

II MEMORANDUM OF PAYMENT

- 1) Total value of work done or supplies as per A/c within
- 2) Deduct amount to be held in reserve being — percent Rs — % —
- 3) Balance —
- 4) Deduct payments
 - a) Amount of previous payment as in divisional/sub divisional
 - b) Cost of payments/stores or other materials supplied now made recovery ofAmount paid on this bill by cheque/cash

Pl & Khial	
289946	2899463
FSD	144974:00
IT	57990:00
KST	115979:00
LC	289952:00
CBF	2900:00
LR	49958:00
T.D	400796:00
N.C	2498667:00

- 5). Balance being unpaid value of work done held in reserve
- 6) Deduct cash of advance made on divisional/sub divisional cash book
- 7) Net amount due to or from contractor.

UN ADJUSTED ITEMS

- 8) Advance to contractor for materials to site(as detailed within)
- 9) Value of government materials supplied.

TOTAL AMOUNT UN-ADJUSTED

Contractor's signatures

Received Rs — (in words) —

For use in the Executive Engineer's office
of payment as per memorandum
(in final settlement of all demand)

Witness

- 1)
- 2) Assistant Executive Engineer
Byataravanapura Sub-division
KRIDI, BBMP, Bangalore dated

Cash Rs.

Date

Initials of officer making payment

Reciept
Stamp

Assistant Executive Engineer
Byataravanapura Sub-division
KRIDI, BBMP, Bangalore

Audited & Admitted for Rs. 2899463

2498667:00 by Cheque
and Rs. 400796 by adjustment

Date 28/04/17
Byataravanapura Sub-division
BBMP

Executive Engineer
Exa. Engineer
Yelahanka Division
BBMP

Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present					Total	
		Previous		Measurement			Up to date	
		Measurement		Qty	Rate	Amount	Qty	Cost
		Qty	Cost					
2	3	4	5	6	7	8	9	10
KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	cum			294.72 293.22	86.92	25617.06 25486	294.72 293.22	25617.06 25486
KSRRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	cum			27.63	5348.76	147786.24	27.63	147786.24

No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous		Present			Total	
			Measurement		Measurement			Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
2	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc.completeexcluding cost of steel as per MORTH specification No.1500,1700,2200	cum			84.43	11032.48	931472.29	84.43	931472.29
3	KSRB 4.9.2 : Providing T .M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe500	tonne			5.49	59413.00	326177.37	5.49	326177.37

No	Items grouped under		Unit	Previous		Present			Total	
	Sub-heads and			Measurement		Measurement			Up to date	
	Sub-works of the estimate			Qty	Cost	Qty	Rate	Amount	Qty	Cost
3	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation, loading, unloading, etc., complete as per the direction of engineer in charge-		sqm			180.00	1757.00	316260.00	180.00	316260.00
4	KSRRB M300-14. Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301		cum			144.00	48.76	7021.44	144.00	7021.44
4	KSRRB M400-6.2. Construction of granular sub base by providing close graded crushed stone aggregates of granite / trap / basalt material, spreading in uniform layers with motor grader on prepared surface mixing by mix in place method by rotavator at OMC, and compacting with vibratory power roller to achieve the desired density, complete as per specifications. B. Mix in place Method. For Grading-II Material		cum			72.00	1665.26	119898.72	72.00	119898.72

Sl. No	Items grouped under		Unit	Previous		Present			Total	
	Sub-heads and Sub-works of the estimate	Measurement		Measurement			Up to date			
				Qty	Cost	Qty	Rate	Amount	Qty	Cost
5	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite/trap/basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406		cum			96.00	1768.08	169735.68	96.00	169735.68
5	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502		sqm			480.00	27.56	13228.80	480.00	13228.80

No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous		Present			Total	
			Measurement		Measurement			Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
6	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5	sqm			720.00	3.18	2289.60	720.00	2289.60
6	KSRRB 500-7. Providing and applying tack coat using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5	sqm			##### 1111.82	11.66	~~13992.00~~ 12963	~~1200.00~~ 1111.8	~~13992.00~~ 12963

No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous		Present			Total	
			Measurement		Measurement			Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
7	KSRRB M500- 17. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and filler, transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandem rollers to achieve the desired compaction as per MORTH Table-500-10 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.507	cum			26.32 26.40	6435.26	169376 169890.86	26.32 26.40	169376 169890.86

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous		Present			Total	
			Measurement		Measurement			Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
7	KSRRB M500- 19. Providing, laying bituminous Concrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509	cum							
					47.34		343095	47.34	343095
			48.00		7270.54		348985.92	48.00	348985.92
8	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 4kms.	cum							
					293.22		23692	293.22	23692
			294.72		80.80		23813.38	294.72	23813.38

Sl. No	Items grouped under		Unit	Previous		Present			Total	
	Sub-heads and			Measurement		Measurement			Up to date	
	Sub-works of the estimate			Qty	Cost	Qty	Rate	Amount	Qty	Cost
8	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803		sqm			40.00	542.72	21708.80	40.00	21708.80
9	KSRRB M800-35. Supply and installtion of moulded Shank Raised Pavement Markers made of polycarbonate and ABS (Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 - DO III Dt 11.06.1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 sqcm on each side and the slope to the base shall be 35 degree. The srength of detachment of the integrated cylindrical shanks, (of diameter not less than 19mm and height not less		nos.			72.00	359.34	25872.48	72.00	25872.48
				TOTAL				2663750.64		2663750.64
				KRIDL Charges 8%+ Laboue cess 1%				239737.56		239737.56
								239405		239405

Sr No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous		Present			Total	
			Measurement		Measurement			Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
			Cost towards preparation of DPR. PMC / QC @ 2%				53275.01		53275.01
			Cost of plastic 8% bitumen qty for BC				14618.88		14618.88
			GRAND TOTAL				2971382.09		2971382.09

Ramalingaraj AZ.
Ward No 04

2899463 ~~2997800~~ 2899463
2914081 ~~2997800~~ 2914081

Ass
Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP, Bangalore-64